

Mouse anti-Myosin Heavy Chain (slow), clone WB-MHCs (monoclonal)

Clone no. WB-MHCS

MONXtra

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|---------------------------|---|
| Product name              | Mouse anti-Myosin Heavy Chain (slow), clone WB-MHCs (monoclonal)      |
| Host                      | Mouse   |
| Applications              | IHC-fr (1:20-1:80)  |
| Species reactivity        | human, rat, mouse, dog, sheep, pig, goat                              |
| Conjugate                 | -   |
| Immunogen                 | Native myosin extracted from rabbit soleus muscle.                    |
| Isotype                   | IgG1  |
| Clonality                 | Monoclonal  |
| Clone number              | WB-MHCS   |
| Size                      | 1 ml  |
| Concentration             | n/a   |
| Format                    | -   |
| Storage buffer            | Lyophilized tissue culture supernatant containing 15 mM sodium azide. |
| Storage until expiry date | 2-8°C   |

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

Myosin is a contractile muscle specific protein composed of two heavy and four light chains. The myosin heavy chain has many isoforms which are specific for different muscles or fiber types, some of which are developmentally regulated. The range of myosin heavy chain antibodies may prove useful for investigating development of intrafusal and extrafusal muscle fibers and the course of muscle fiber regeneration. At the ultrastructural level, antibodies can reveal architectural details of the myofilament as well as the cytoplasmic and membrane sites of new myosin integration. The user is required to reconstitute the contents of the vial with the correct volume of sterile distilled water as indicated on the vial label. Rabbit myosin slow type heavy chain. Crossreacts with human myosin slow type heavy chain. The antibody also reacts with type I myosin heavy chain in rat, mouse, dog, sheep, pig and goat muscle.

**References**

1. Sheriffs IN et al. Journal of Clinical Pathology. 54: 517–520 (2001)
2. Ecob-Prince M et al. Journal of Neurological Sciences. 91: 71–78 (1989)
3. Carson NE et al. The Journal of Histotechnology. 21 (1): 19–24 (1998)
4. Ecob-Prince M et al. Journal of Neurological Sciences. 90: 167–177 (1989)
5. Vivarelli E et al. Journal of Cellular Biology. 107: 2191–2197 (1988)

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